

**Commonwealth of Kentucky
Environmental and Public Protection Cabinet
Department for Environmental Protection
Division for Air Quality
803 Schenkel Lane
Frankfort, Kentucky 40601
(502) 573-3382**

FINAL

**AIR QUALITY PERMIT
Issued under 401 KAR 52:020**

Permittee Name: Rayloc, Division of Genuine Parts Company
Mailing Address: P.O. Box 530, Morganfield, Kentucky 42437

Source Name: Rayloc
Mailing Address: U.S. Highway 60 East
Morganfield, Kentucky 42437

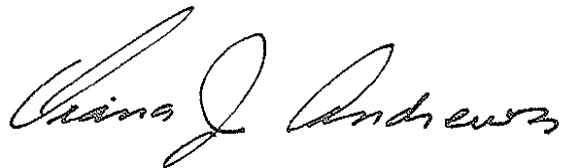
Source Location: same as above

Permit Number: V-07-001
Source A. I. #: 4078
Activity #: APE20040002
Review Type: TITLE V/Synthetic Minor
Source ID #: 21-225-00018

Regional Office: Owensboro
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Application
Complete Date: June 2, 2004
Issuance Date: June 4, 2007
Revision Date:
Expiration Date: June 4, 2012



**John S. Lyons, Director
Division for Air Quality**

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	Permit type	Log or Activity#	Complete Date	Issuance Date	Summary of Action
V-98-043	Initial Issuance	F481	01/20/1998	05/07/99	Initial Operating Permit
V-98-043R1	Minor Revision	G244	10/11/1999	10/27/99	Replacement of degreaser unit
V-07-001	Renewal	APE20040002	06/02/2004	6/04/07	Permit Renewal

SECTION A - PERMIT AUTHORIZATION

Pursuant to a duly submitted application the Kentucky Division for Air Quality hereby authorizes the operation of the equipment described herein in accordance with the terms and conditions of this permit. This permit has been issued under the provisions of Kentucky Revised Statutes Chapter 224 and regulations promulgated pursuant thereto.

The permittee shall not construct, reconstruct, or modify any affected facilities without first submitting a complete application and receiving a permit for the planned activity from the permitting authority, except as provided in this permit or in 401 KAR 52:020, Title V Permits.

Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by this Cabinet or any other federal, state, or local agency.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS

ID	Description	Date Constructed	Applicable Regulation
01 (SB-1)	Dip Tanks and Spray Booth Painting of Automotive Starters Maximum Hourly Rated Capacity: 350 pieces/hour Control Equipment: Paper Filters	1985	401 KAR 59:010 401 KAR 63:002
04 (SB-4)	Spray Booth Painting of Windshield Wiper Motors Maximum Hourly Rated Capacity: 160 pieces/hour Control Equipment: Paper Filters	1989	401 KAR 59:010 401 KAR 63:002

APPLICABLE REGULATIONS:

401 KAR 59:010, New process operations applicable to each emission unit which commenced construction on or after July 2, 1975.

401 KAR 63:002, § 3 Incorporation by reference, 40 CFR 63.3880 to 63.3981 (Subpart MMMM), "National Emission Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products."

1. Operating Limitations:

Source-wide limit on VOC emissions. Refer to Section D.

2. Emission Limitations:

A. Source-wide emissions of VOC shall not exceed 90 tons per rolling twelve-month period.

Compliance Demonstration Method: Refer to Section D.

B. 401 KAR 59:010 § 3(1) – Visible emissions from a control device or stack associated with the spray booths and dip tanks shall not equal or exceed 20 percent opacity.

Compliance Demonstration Method: Refer to Specific Monitoring Requirement B.

C. 401 KAR 59:010 § 3(2) – Particulate matter emissions from a control device or stack associated with the spray booths and dip tanks shall not exceed 2.34 pounds per hour.

Compliance Demonstration Method: Compliance with the mass emission standard shall be assumed for the spray booths when the filters are in place and operating efficiently. The dip tanks shall be assumed to be in compliance with the above opacity and mass standards due to the nature of this type of coating operation.

D. 40 CFR 63.3890 (b)(1) For each existing general use coating affected source, limit organic HAP emissions to no more than 0.31 kg (2.6 lb) organic HAP per liter (gal) coating solids used during each 12-month compliance period.

Compliance Demonstration Method: Refer to Section D.

SECTION B -EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**3. Testing Requirements:**

- A. Testing shall be conducted at such times as may be required by the Cabinet in accordance with 401 KAR 59:005, § 2(2) and 50:045, § 4.
- B. 40 CFR 63.3941 (a) Testing requirements for determining the mass fraction of organic HAP in coatings, thinners and/or additive, and cleaning material used may be applicable depending on the option chosen. Refer to Section D.
- C. 40 CFR 63.3941 (b) Testing requirements for determining the volume fraction of coating solids for each coating used may be applicable depending on the option chosen. Refer to Section D.
- D. 40 CFR 63.3941 (c) Testing requirements for determining the density of each coating used may be applicable depending on the option chosen. Refer to Section D.
- E. 40 CFR 63.3950 (c) Testing requirements for determining the density of each liquid coating, thinner, and/or other additive, and cleaning material may be applicable depending on the option chosen. Refer to Section D.

4. Specific Monitoring Requirements:

- A. Source-wide VOC emissions shall be monitored monthly. Refer to Section D.
- B. A qualitative visual observation of the opacity of emissions shall be performed from the spray booths stacks on a weekly basis and a log of the observations maintained. If visible emissions from the stacks are seen (not including condensed water vapor within the plume), then the opacity shall be determined by Reference Method 9. If emissions are in excess of the applicable opacity limit, then an inspection shall be initiated of control equipment for all necessary repairs.
- C. The monthly usage of VOC containing paints, solvents or any VOC/HAP containing material shall be monitored.

5. Specific Recordkeeping Requirements:

- A. The permittee shall maintain monthly records of the purchase and usage of the paints, solvents or any VOC/HAP containing material.
- B. Records of source-wide monthly and twelve-month rolling total VOC emissions shall be maintained. Refer to Section D.
- C. A weekly log of qualitative visual observations of opacity shall be maintained.
- D. Records documenting the results of each opacity reading by EPA Reference Method 9 shall be maintained.
- E. Records of filter replacements, including time and date shall be maintained.
- F. 40 CFR 63.3930 Record keeping requirements. Refer to Section D.

6. Specific Reporting Requirements:

The reporting requirements of Section F.5, are specified here to consist of the following:

- A. Source-wide limit on VOC emissions. Refer to Section D.
- B. A summary of filter replacements during the period.
- C. 40 CFR 63.3920 Reporting requirements. Refer to Section D.

7. Specific Control Equipment Operating Conditions:

Exhaust filters shall be in place and operating efficiently during spray booth operation.

8. Alternate Operating Scenarios: N/A

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

ID	Description	Date Constructed	Applicable Regulation
07 (E-7)	Spray Booth Painting of Alternators and Stators Maximum Hourly Rated Capacity: 400 pieces/hour Control Equipment: Paper Filters	1990	401 KAR 59:010 401 KAR 63:002

APPLICABLE REGULATIONS:

401 KAR 59:010, New process operations applicable to each emission unit which commenced construction on or after July 2, 1975.

401 KAR 63:002, § 3 Incorporation by reference, 40 CFR 63.3880 to 63.3981 (Subpart MMMM), "National Emission Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products."

1. Operating Limitations:

Source-wide limit on VOC emissions. Refer to Section D.

2. Emission Limitations:

A. Source-wide emissions of VOC shall not exceed 90 tons per rolling twelve-month period.

Compliance Demonstration Method: Refer to Section D.

B. 401 KAR 59:010 § 3(1) – Visible emissions from a control device or stack associated with the spray booth shall not equal or exceed 20 percent opacity.

Compliance Demonstration Method: Refer to Specific Monitoring Requirement A.

D. 401 KAR 59:010 § 3(2) – Particulate matter emissions from a control device or stack associated with the spray booth shall not exceed 2.34 pounds per hour.

Compliance Demonstration Method: Compliance with the mass emission standard shall be assumed for the spray booths when the filters are in place and operating efficiently.

E. 40 CFR 63.3890 (b)(1) For each existing general use coating affected source, limit organic HAP emissions to no more than 0.31 kg (2.6 lb) organic HAP per liter (gal) coating solids used during each 12-month compliance period.

Compliance Demonstration Method: Refer to Section D.

3. Testing Requirements:

A. Testing shall be conducted at such times as may be required by the Cabinet in accordance with 401 KAR 59:005, § 2(2) and 50:045, § 4.

B. 40 CFR 63.3941 (a) Testing requirements for determining the mass fraction of organic HAP in coatings, thinners and/or additive, and cleaning material used may be applicable depending on the option chosen. Refer to Section D.

C. 40 CFR 63.3941 (b) Testing requirements for determining the volume fraction of coating solids for each coating used may be applicable depending on the option chosen. Refer to Section D.

D. 40 CFR 63.3941 (c) Testing requirements for determining the density of each coating used may be applicable depending on the option chosen. Refer to Section D.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

3. Testing Requirements (Continued):

- E. 40 CFR 63.3950 (c) Testing requirements for determining the density of each liquid coating, thinner, and/or other additive, and cleaning material may be applicable depending on the option chosen. Refer to Section D.

4. Specific Monitoring Requirements:

- A. Source-wide VOC emissions shall be monitored monthly. Refer to Section D.
- B. A qualitative visual observation of the opacity of emissions shall be performed from the paint booths stacks on a weekly basis and a log of the observations maintained. If visible emissions from the stacks are seen (not including condensed water vapor within the plume), then the opacity shall be determined by Reference Method 9. If emissions are in excess of the applicable opacity limit, then an inspection shall be initiated of control equipment for all necessary repairs.
- C. The monthly usage of VOC containing paints, solvents or any VOC/HAP containing material shall be monitored.

5. Specific Recordkeeping Requirements:

- A. The permittee shall maintain monthly records of the purchase and usage of the paints, solvents or any VOC/HAP containing material.
- B. Records of source-wide monthly and twelve-month rolling total VOC emissions shall be maintained. Refer to Section D.
- C. A weekly log of qualitative visual observations of opacity shall be maintained.
- D. Records documenting the results of each opacity reading by EPA Reference Method 9 shall be maintained.
- E. Records of filter replacements, including time and date shall be maintained.
- F. 40 CFR 63.3930 Record keeping requirements. Refer to Section D.

6. Specific Reporting Requirements:

The reporting requirements of Section F.5, are specified here to consist of the following:

- A. Source-wide limit on VOC emissions. Refer to Section D.
- B. A summary of filter replacements during the period.
- C. 40 CFR 63.3920 Reporting requirements. Refer to Section D.

7. Specific Control Equipment Operating Conditions:

Exhaust filters shall be in place and operating efficiently during spray booth operation.

8. Alternate Operating Scenarios: N/A

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

ID	Description	Date Constructed	Applicable Regulation
33 (CEC-14)	Burn Off Oven, Consolidated Engineering Company Model No. 5C. Equipped with 1,600,000 BTU/hr natural gas burner	1997	401 KAR 59:010

APPLICABLE REGULATIONS:

401 KAR 59:010, New process operations applicable to each emission unit which commenced construction on or after July 2, 1975.

1. Operating Limitations:

- A. Source-wide limit on VOC emissions. Refer to Section D.
- B. The occurrence of a temperature alarm shall be interlocked with burn off oven operation, resulting in shutdown of the oven. Refer to Section E.1.

2. Emission Limitations:

- A. 401 KAR 59:010 § 3(1) – Visible emissions from a control device or stack associated with Emission Unit 33 shall not equal or exceed 20 percent opacity.
- B. 401 KAR 59:010 § 3(2) – Particulate matter emissions from a control device or stack associated with Emission Unit 33 shall not exceed 2.34 pounds per hour.

Compliance Demonstration Method:

Compliance with the opacity standards shall be demonstrated by adhering to **3. Testing Requirement B** and **4. Monitoring Requirement A**. Compliance with the mass standards shall be assumed when the opacity standards are not exceeded.

- C. Source-wide emissions of VOC shall not exceed 90 tons per rolling twelve-month period.

Compliance Demonstration Method: Refer to Section D.

3. Testing Requirements:

- A. Testing shall be conducted at such times as may be required by the Cabinet in accordance with 401 KAR 59:005, § 2(2) and 50:045, § 4.
- B. EPA Method 9 readings shall be conducted semiannually for each oven.

4. Specific Monitoring Requirements:

- A. A qualitative visual observation of the opacity of emissions shall be performed from the oven/burner stacks on a weekly basis and a log of the observations maintained. If visible emissions from the stacks are seen (not including condensed water vapor within the plume), then the opacity shall be determined by Reference Method 9. If emissions are in excess of the applicable opacity limit, then an inspection shall be initiated of control equipment for all necessary repairs.
- B. The number of pieces processed monthly shall be monitored.
- C. The volume of natural gas burned annually shall be monitored.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**4. Specific Monitoring Requirements:**

- D. The combustion chamber temperature of the afterburner shall be monitored continuously by a temperature sensor(s) and recorded continuously by a strip chart recorder. An alarm will notify equipment operators if the temperature is more than 50°F below the combustion temperature limit of 1450°F. The temperature sensor(s) must comply with the following requirements:
- Locate the temperature sensor in a position that provides a representative temperature.
 - Use a temperature sensor with a measurement sensitivity of 5 degrees Fahrenheit or 1.0 percent of the temperature value, whichever is larger.
 - Before using the sensor for the first time or when relocating or replacing the sensor, perform a validation check by comparing the sensor output to a calibrated temperature measurement device or by comparing the sensor output to a simulated temperature.
 - Conduct accuracy audits every quarter and after every deviation. Accuracy audit methods include comparisons of sensor output to redundant temperature sensors, to calibrated temperature measurement devices, or to temperature simulation devices. Conduct calibrations annually.
 - Conduct a visual inspection of each sensor every quarter if redundant temperature sensors are not used.

5. Specific Recordkeeping Requirements:

- Records of weekly qualitative visual observations of the opacity of emissions and semiannual Method 9 readings shall be maintained.
- Records of the pieces processed monthly shall be maintained.
- Records of the natural gas burned annually shall be maintained.
- Combustion chamber temperature of the afterburner shall be recorded continuously (at least once every 15 minutes) by a strip chart recorder. The combustion temperature data shall be reduced to 3-hour block averages.
- In addition, for all required emissions control equipment, the permittee shall keep the following records:
 - Design and/or manufacturer's specifications.
 - Preventive maintenance records related to performance of control equipment.
 - All periods, during normal operating conditions, where emissions control equipment, required by this permit is bypassed.
 - Description of operating, temperature and pressure-measuring devices (e.g., automatic strip charts, digital data acquisition systems).
 - Data from the temperature measuring device (as prescribed by Specific Record Keeping Requirement D) and any temporary data logged manually as back up.
 - Inspection reports and maintenance performed in response to recommendations in inspection reports.
 - Monitoring system malfunctions.
 - Calibrations, accuracy audits and validation check records for monitoring equipment specified in Monitoring Requirement D.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

6. Specific Reporting Requirements:

The semiannual report of monitoring required by SECTION F (5) of this permit is specified here to include only a summary of the following:

- A. Source-wide limit on VOC emissions. Refer to Section D.
- B. Qualitative visual observations and Method 9 readings conducted during the compliance period.
- C. A summary of Record Keeping Requirements A – E.

7. Specific Control Equipment Operating Conditions:

Afterburner:

- A. The average combustion chamber temperature in any 3-hour period must not fall more than 50°F below the combustion temperature limit of 1450°F.
- B. The minimum set point for the combustion temperature of the afterburner shall be 1450°F. The minimum-operating limit for the afterburner is 50°F below the minimum set point temperature.

Compliance Demonstration Method:

The permittee must monitor the temperature in the firebox of the afterburner or immediately downstream of the firebox before any substantial heat exchange occurs. Compliance shall be demonstrated by:

- a. Collecting the combustion temperature data according to Monitoring Requirement D;
- b. Reducing the data to 3-hour block averages; and
- c. Maintaining the 3-hour combustion temperature at or above the temperature limit.

8. Alternate Operating Scenarios:

N/A

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

ID	Description	Date Constructed	Applicable Regulation
34 (V1, V2, V3, V4, V5, V6 V7 & V8)	Eight (8) Vibratory Tumbling Units. Sweco (2 Units) L.S. Industries Burr Bench (4 Units) Sweco (2 Units)	1986 1990 2007	401 KAR 63:002
37 (T-15)	Touch-up painting of various parts using aerosol cans in three (3) spray booths Booth 1 Booth 2 Booth 3	1985 1989 1990	401 KAR 59:010
38 (CD01)	Dip Tank for antirust coating of calipers	1984	401 KAR 59:010 401 KAR 63:002
39 (WMA1)	Two (2) Dip Tanks for antirust coating of wiper motors	1991	401 KAR 59:010 401 KAR 63:002
40 (WMC1)	Cleaning of wiper motors	1991	401 KAR 63:002

APPLICABLE REGULATIONS:

401 KAR 59:010, New process operations applicable to each emission unit which commenced construction on or after July 2, 1975.

401 KAR 63:002, § 3 Incorporation by reference, 40 CFR 63.3880 to 63.3981 (Subpart MMMM), "National Emission Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products."

1. Operating Limitations:

Source-wide limit on VOC emissions. Refer to Section D.

2. Emission Limitations:

A. Source-wide emissions of VOC shall not exceed 90 tons per rolling twelve-month period.

Compliance Demonstration Method: Refer to Section D.

Emission Units 38 and 39:

B. 401 KAR 59:010 § 3(1) – Visible emissions from a control device or stack associated with the dip tanks shall not equal or exceed 20 percent opacity.

C. 401 KAR 59:010 § 3(2) – Particulate matter emissions from a control device or stack associated with the dip tanks shall not exceed 2.34 pounds per hour.

Compliance Demonstration Method:

The dip tanks shall be assumed to be in compliance with the above opacity and mass standards due to the nature of this type of coating operation.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

2. Emission Limitations (Continued):

Emission Unit 37:

- D. 401 KAR 59:010 § 3(1) – Visible emissions from a control device or stack associated with the paint booths shall not equal or exceed 20 percent opacity.
- E. 401 KAR 59:010 § 3(2) – Particulate matter emissions from a control device or stack associated with the paint booths shall not exceed 2.34 pounds per hour.

Compliance Demonstration Method:

Compliance with the opacity and mass standards shall be assumed due the small quantity of paint used in these operations.

Emission Units 34, 38, 39 and 40:

- F. 40 CFR 63.3890 (b)(1) For each existing general use coating affected source, limit organic HAP emissions to no more than 0.31 kg (2.6 lb) organic HAP per liter (gal) coating solids used during each 12-month compliance period.
Compliance Demonstration Method: Refer to Section D.

3. Testing Requirements:

- A. Testing shall be conducted at such times as may be required by the Cabinet in accordance with 401 KAR 59:005, § 2(2) and 50:045, § 4.
- B. 40 CFR 63.3941 (a) Testing requirements for determining the mass fraction of organic HAP in coatings, thinners and/or additive, and cleaning material used may be applicable depending on the option chosen. Refer to Section D.
- C. 40 CFR 63.3941 (b) Testing requirements for determining the volume fraction of coating solids for each coating used may be applicable depending on the option chosen. Refer to Section D.
- D. 40 CFR 63.3941 (c) Testing requirements for determining the density of each coating used may be applicable depending on the option chosen. Refer to Section D.
- E. 40 CFR 63.3950 (c) Testing requirements for determining the density of each liquid coating, thinner, and/or other additive, and cleaning material may be applicable depending on the option chosen. Refer to Section D.

4. Specific Monitoring Requirements:

- A. The monthly usage of VOC containing cleaning solvents shall be monitored (e.g., mineral spirits used in vibratory tumblers and for wiper motor cleaning).
- B. The monthly usage of VOC containing paints shall be monitored (e.g., aerosol cans).
- C. The monthly usage of VOC containing coatings shall be monitored (e.g., coatings used in dip tanks).
- D. Source-wide VOC emissions shall be monitored. Refer to Section D.

5. Specific Recordkeeping Requirements:

- A. The permittee shall maintain monthly records of the purchase and usage of cleaning solvent, paint and coatings.
- B. Records of source-wide monthly and twelve-month rolling total VOC emissions shall be maintained. Refer to Section D.
- C. 40 CFR 63.3930 Record keeping requirements. Refer to Section D.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

6. Specific Reporting Requirements:

The reporting requirements of Section F.5, are specified here to consist of the following:

A. Source-wide limit on VOC emissions. Refer to Section D.

B. 40 CFR 63.3920 Reporting requirements. Refer to Section D.

7. Specific Control Equipment Operating Conditions:

N/A

8. Alternate Operating Scenarios:

N/A

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

ID	Description	Date Constructed	Applicable Regulation
18 (DC1)	Wheelabrators 1 and 2 Shot blasting of metal parts. Filter Unit – Model Name and Number: Polaris, Model 2PC 8-7 ½. Filter Area: 8 cartridges, 2,032 ft ² of filter media total.	1974	401 KAR 61:020
18 (DC2)	Wheelabrator 3 Shot blasting of metal parts. Filter Unit – Custom Built. Filter Area: 9 cartridges, 2,520 ft ² of filter media total.	1974	401 KAR 61:020
19 (DC3)	Wheelabrators 4 and 5 Shot blasting of metal parts. Filter Unit – Model Name and Number: No. 6, Model 70-AC Serial Number: Not listed	1985	401 KAR 59:010

APPLICABLE REGULATIONS:

401 KAR 59:010, New process operations applicable to each emission unit which commenced construction on or after July 2, 1975.

401 KAR 61:020, Existing process operations applicable to each emission unit which commenced construction before July 2, 1975.

1. Operating Limitations:

The filter units shall be in place and operating efficiently during shot blasting operations.

2. Emission Limitations:

Emission Unit 18 (Limits apply to DC1 and DC2 individually):

- A. 401 KAR 61:020 § 3(1) – Visible emissions from a control device or stack associated with the shot blasting operations shall not equal or exceed 40 percent opacity.
- B. 401 KAR 61:020 § 3(2) – Particulate matter emissions from a control device or stack associated with the shot blasting operations shall not exceed 2.58 pounds per hour.

Emission Unit 19 (DC3):

- C. 401 KAR 59:010 § 3(1) – Visible emissions from a control device or stack associated with the shot blasting operations shall not equal or exceed 20 percent opacity.
- D. 401 KAR 59:010 § 3(2) – Particulate matter emissions from a control device or stack associated with the shot blasting operations shall not exceed 2.34 pounds per hour.

Compliance Demonstration Method: Compliance with the opacity standard is assumed given these units do not vent directly to the atmosphere. Compliance with the mass standard shall be assumed when the filter units are in place and operating efficiently.

3. Testing Requirements:

Testing shall be conducted at such times as may be required by the Cabinet in accordance with 401 KAR 59:005 or 61:005, § 2(2) and 50:045, § 4.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

4. Specific Monitoring Requirements:

The filter units shall be inspected for proper operation semiannually. Preventive maintenance shall be performed in accordance with the manufacturer's recommendations. At a minimum, the following parameters shall be inspected:

1. Filters;
2. Gaskets and Seals;
3. Filter Cleaning Mechanism.

5. Specific Recordkeeping Requirements:

A log of the results of filter unit inspections shall be maintained onsite, including the date and time filters are replaced.

6. Specific Reporting Requirements:

None

7. Specific Control Equipment Operating Conditions:

None

8. Alternate Operating Scenarios:

None

SECTION C - INSIGNIFICANT ACTIVITIES

The following listed activities have been determined to be insignificant activities for this source pursuant to 401 KAR 52:020, Section 6. While these activities are designated as insignificant the permittee must comply with the applicable regulation and some minimal level of periodic monitoring may be necessary. *The periodic monitoring requirements are specified here to be: Insignificant Activities 13 and 14: Maintain annual records of coating use.*

<u>Description</u>	<u>Generally Applicable Regulation</u>
1. Natural Gas Fired Space & Process Heaters	401 KAR 59:015
2. Combustion source flame safety purging on start-up	N/A
3. Application of oils, greases, lubricants or other non-volatile materials applied as temporary protective coatings	N/A
4. Replacement or repair of bags in baghouses and filters in other air filtration equipment	N/A
5. Paved and unpaved roads and parking lots with public access	401 KAR 63:010
6. Parts Washers	N/A
7. Shot Blasters	401 KAR 59:010
8. Space and Process Heaters	N/A
9. Cleaning Department Dip Operation	N/A
10. E-5, Wave Soldering	401 KAR 59:010
11. T-5 Dust Collection, Grinding/Soldering	401 KAR 59:010
12. 24" Wide Conveyor Type Parts Washer	N/A
13. Ventless Spray Booth (CS130D Line)	401 KAR 59:010
14. Ventless Spray Booth (Nippondenso Line)	401 KAR 59:010
15. Two (2) Coyote Abrasive Blasting Units	401 KAR 59:010
16. One (1) Clemco Blast Cabinet	401 KAR 59:010
17. One (1) natural gas fired parts washer	N/A

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS

1. As required by Section 1b of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26; compliance with annual emissions and processing limitations contained in this permit, shall be based on emissions and processing rates for any twelve (12) consecutive months.
2. Particulate matter (PM) and Volatile Organic Compound (VOC) emissions, measured by applicable reference methods, or an equivalent or alternative method specified in 40 C.F.R. Chapter I, or by a test method specified in the state implementation plan shall not exceed the respective limitations specified herein.
3. Pursuant to 401 KAR 50:045 Section 5 in order to demonstrate that a source is capable of complying with a standard at all times, a performance test shall be conducted under normal conditions that are representative of the source's operations and create the highest rate of emissions. If [When] the maximum production rate represents a source's highest emissions rate and a performance test is conducted at less than the maximum production rate, a source shall be limited to a production rate of no greater than 110 percent of the average production rate during the performance tests. If and when the facility is capable of operation at the rate specified in the application, the source may retest to demonstrate compliance at the new production rate. The Division for Air Quality may waive these requirement on a case-by-case basis if the source demonstrates to the Division's satisfaction that the source is in compliance with all applicable requirements.
4. VOC emissions shall not exceed 90 tons during any consecutive twelve (12) month period. Monthly records to demonstrate compliance with this limitation shall be maintained and total VOC emissions shall be reported on a semi-annual basis. VOC emissions shall be calculated and recorded on a *monthly* basis. These records shall be summarized in tons per month of VOC emissions; subsequently, tons of VOC emissions per rolling 12-month period shall be recorded. In addition, these records shall demonstrate compliance with the VOC emission limitations listed herein so as to preclude applicability of 401 KAR 59:225, new miscellaneous metal parts and products surface coating operations. These records shall be maintained on site for a period of five years from the date the data was collected and shall be provided to the Division upon request.

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS (CONTINUED)

Compliance Demonstration Method:

VOC emitted (lb/month) = \sum [Emission of VOC from coatings and cleanup solvents from surface coating operations]

VOC emitted (lb/month) from Emission Points **01, 04 and 07**:

$$E_{VOC} = Q_P * CP_{VOC} + Q_R * CR_{VOC} + Q_S * S_{VOC}$$

$$Q_C = Q_P + Q_R$$

$$Q_P = Q_C * \left(\frac{\text{Gallons of paint "i"}}{\text{Gallons of paint "i" + Gallons of reducing solvent "i"}} \right)$$

$$Q_R = Q_C * \left(\frac{\text{Gallons of reducing solvent "i"}}{\text{Gallons of paint "i" + Gallons of reducing solvent "i"}} \right)$$

Where

E_{VOC} = Emission rate of VOC in pounds per month.

Q_P = Gallons of paint "i" used per month.

CP_{VOC} = VOC content in paint "i" (lb/gal).

Q_R = Gallons of reducing solvent "i" used per month.

CR_{VOC} = VOC content in reducing solvent "i" (lb/gal).

Q_C = Gallons of coating (paint and reducer mixed) as applied used per month.

Q_S = Gallons of clean-up solvent used per month.

S_{VOC} = VOC content in clean-up solvent (lb/gal)

The general equation for multiple-part coatings is:

$$Q = Q_T * \frac{N_i}{\sum_{i=1}^n N_i}$$

Where:

Q = Material usage rate (gal/hr) of component (e.g., coating, thinner)

Q_T = Total multiple-part coating material usage rate (gal/hr)

N_i = Number of parts of component "i" in multiple-part coating

n = Total number of components in multiple-part coating

Referenced from U.S. EPA Emission Inventory Improvement Program, Technical Report Series, Volume II, Chapter 7, *Preferred and Alternative Methods for Estimating Air Emissions from Surface Coating Operations* (July, 2001).

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS (CONTINUED)**Compliance Demonstration Method (Continued):**VOC emitted (lb/month) from Emission Point **27**:
$$\text{VOC emitted (lb/month)} = \sum [\text{Pounds of solvent added to EP27}] - \sum [\text{Pounds of liquid solvent removed from EP27} + \text{pounds of solvent removed from EP27 in the solid waste}]$$
VOC emitted (lb/month) from Emission Point **33**:
$$\text{VOC emitted (lb/month)} = N * EF * (1 - CE)$$

Where:

N = Number of parts processed per month (1000s of parts)

EF = VOC emission factor for burn-off oven (2.71 lb/1000 parts)

CE = Direct flame afterburner control efficiency (50 %)

VOC emitted (lb/month) from Emission Points **38 and 39**:
$$E_{\text{VOC}} = Q * C_{\text{VOC}}$$

Where:

 E_{VOC} = Emission rate of VOC in pounds per month.

Q = Gallons of anti-rust coating used per month.

 C_{VOC} = VOC content of anti-rust coating (lb/gal).VOC emitted (lb/month) from Emission Points **34 and 40**:
$$E_{\text{VOC}} = Q * C_{\text{VOC}}$$

Where:

 E_{VOC} = Emission rate of VOC in pounds per month.

Q = Gallons of cleaning solvent used per month.

 C_{VOC} = VOC content of cleaning solvent (lb/gal).VOC emitted (lb/month) from Emission Points **37**:
$$E_{\text{VOC}} = Q * C_{\text{VOC}}$$

Where:

 E_{VOC} = Emission rate of VOC in pounds per month.

Q = Gallons of paint in aerosol cans used per month.

 C_{VOC} = VOC content of paint (lb/gal).

Source-wide VOC emissions (lb/month) =

$$\sum \text{VOC emitted from emissions points } \mathbf{01, 04, 07, 27, 33, 34, 37, 38, 39 \text{ and } 40.}$$

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS (CONTINUED)

401 KAR 63:002, § 3 Incorporation by reference, 40 CFR 63.3880 to 63.3981 (Subpart MMMM), “National Emission Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products”, applies to the affected sources within each of the four subcategories listed in § 63.3881 (a).

40 CFR 63.3882: (b) The affected source is the collection of all the items listed in paragraphs (b)(1) through (4) of this section that are used for surface coating of miscellaneous metal parts and products within each subcategory.

- (1) All coating operations as defined in § 63.3981;
- (2) All storage containers and mixing vessels in which coatings, thinners and/or other additives, and cleaning materials are stored or mixed;
- (3) All manual and automated equipment and containers used for conveying coatings, thinners and/or other additives, and cleaning materials; and
- (4) All storage containers and all manual and automated equipment and containers used for conveying waste materials generated by a coating operation.

GENERAL COMPLIANCE REQUIREMENTS

40 CFR 63.3900: (a) Any coating operation(s) for which the permittee uses the compliant material option or the emission rate without add-on controls option, as specified in § 63.3891 (a) and (b), must be in compliance with the applicable emission limit in § 63.3890 at all times.

NOTIFICATIONS, REPORTS AND RECORDS

40 CFR 63.3910: (c) The permittee must submit the notification of compliance status required by § 63.9 (h) no later than March 29, 2008. The notification of compliance status must contain the information specified in paragraphs (c)(1) through (8) of this section and in § 63.9 (h).

- (1) Company name and address.
- (2) Statement by a responsible official with that official’s name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report.
- (3) Date of the report and beginning and ending dates of the reporting period. The reporting period is the initial compliance period, beginning on January 2, 2007 and ending on February 29, 2008.
- (4) Identification of the compliance option or options specified in § 63.3891 that the permittee used on each coating operation in the affected source during the initial compliance period.
- (5) Statement of whether or not the affected source achieved the emission limitations for the initial compliance period.
- (6) If the permittee had a deviation, include the information in paragraphs (c)(6)(i) and (ii) of this section.
 - (i) A description and statement of the cause of the deviation.
 - (ii) If the permittee failed to meet the applicable emission limit in § 63.3890, include all the calculations that the permittee used to determine the kg (lb) of organic HAP emitted per liter (gal) coating solids used. The permittee does not need to submit information provided by the materials’ suppliers or manufacturers, or test reports.

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS (CONTINUED)

NOTIFICATIONS, REPORTS AND RECORDS (CONTINUED)

- (7) For each of the data items listed in paragraphs (c)(7)(i) through (iv) of this section that is required by the compliance option(s) used by the permittee to demonstrate compliance with the emission limit, include an example of how the value was determined by the permittee, including calculations and supporting data. Supporting data may include a copy of the information provided by the supplier or manufacturer of the example coating or material, or a summary of the results of testing conducted according to § 63.3941 (a), (b), or (c). The permittee is not required to submit copies of any test reports.
- (i) Mass fraction of organic HAP for one coating, for one thinner and/or other additive, and for one cleaning material.
 - (ii) Volume fraction of coating solids for one coating.
 - (iii) Density for one coating, one thinner and/or other additive, and one cleaning material, except that if the permittee used the compliant material option, only the example coating density is required.
 - (iv) The amount of waste materials and the mass of organic HAP contained in the waste materials for which the permittee is claiming an allowance in Equation 1 of § 63.3951.
- (8) The calculation of kg (lb) of organic HAP emitted per liter (gal) coating solids used for the compliance option(s) the permittee used, as specified in paragraphs (c)(8)(i) and (ii) of this section.
- (i) For the compliant material option, provide an example calculation of the organic HAP content for one coating, using Equation 2 of § 63.3941.
 - (ii) For the emission rate without add-on controls option, provide the calculation of the total mass of organic HAP emissions for each month; the calculation of the total volume of coating solids used each month; and the calculation of the 12-month organic HAP emission rate using Equations 1 and 1A through 1C, 2, and 3, respectively, of § 63.3951.

40 CFR 63.3920: (a) *Semiannual compliance reports.* The permittee must submit semiannual compliance reports for each affected source according to the requirements of paragraphs (a) (1) through (7) of this section. The semiannual compliance reporting requirements may be satisfied by reports required under other parts of the Clean Air Act (CAA), as specified in paragraph (a) (2) of this section.

- (1) *Dates.* The permittee must prepare and submit each semiannual compliance report according to the dates specified in paragraphs (a)(1)(i) through (iv) of this section. Note that the information reported for each of the months in the reporting period will be based on the last 12 months of data prior to the date of each monthly calculation.
- (i) The first semiannual compliance report must cover the first semiannual reporting period which begins on March 1, 2008 and ends on June 30, 2008.
 - (ii) Each subsequent semiannual compliance report must cover the subsequent semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31.
 - (iii) Each semiannual compliance report must be postmarked or delivered no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period.
 - (iv) The first and subsequent compliance reports may be submitted according to the dates specified in SECTION F (6) of this permit.

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS (CONTINUED)

NOTIFICATIONS, REPORTS AND RECORDS (CONTINUED)

- (2) *Inclusion with title V report.* The permittee is required by 40 CFR 70 (title V) to report all deviations as they are defined in this subpart in the semiannual monitoring report. If the permittee submits a semiannual compliance report pursuant to this section along with, or as part of, the semiannual monitoring report required by 40 CFR 70, and the semiannual compliance report includes all required information concerning deviations from any emission limitation in this subpart, its submission will be deemed to satisfy any obligations to report the same deviations in the semiannual monitoring report. However, submission of a semiannual compliance report shall not otherwise affect any obligation the affected source may have to report deviations from permit requirements to the permitting authority.
- (3) *General requirements.* The semiannual compliance reports must contain the information specified in paragraphs (a)(3)(i) through (v) of this section, and the information specified in paragraphs (a)(4) through (7) and (c)(1) of this section that is applicable to the affected source.
- (i) Company name and address.
 - (ii) Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report.
 - (iii) Date of report and beginning and ending dates of the reporting period. The reporting period is the 6-month period ending on June 30 or December 31. Note the information reported for each 6 months in the reporting period will be based on the last 12 months of data prior to the date of each monthly calculation.
 - (iv) Identification of the compliance option or options specified in § 63.3891 that the permittee used on each coating operation during the reporting period. If the permittee switched between compliance options during the reporting period, the permittee must report the beginning and ending dates for each option the permittee used.
 - (v) If the permittee used the emission rate without add-on controls or the emission rate with add-on controls compliance option (§ 63.3891 (b) or (c)), the calculation results for each rolling 12-month organic HAP emission rate during the 6-month reporting period.
- (4) *No deviations.* If there were no deviations from the emission limitations in §§ 63.3890, 63.3892, and 63.3893 that apply to the permittee, the semiannual compliance report must include a statement that there were no deviations from the emission limitations during the reporting period.
- (5) *Deviations: Compliant material option.* If the permittee used the compliant material option and there was a deviation from the applicable organic HAP content requirements in § 63.3890, the semiannual compliance report must contain the information in paragraphs (a)(5)(i) through (iv) of this section.
- (i) Identification of each coating used that deviated from the applicable emission limit, and each thinner and/or other additive, and cleaning material used that contained organic HAP, and the dates and time periods each was used.
 - (ii) The calculation of the organic HAP content (using Equation 2 of § 63.3941) for each coating identified in paragraph (a)(5)(i) of this section. The permittee does not need to submit background data supporting this calculation (*e.g.*, information provided by coating suppliers or manufacturers, or test reports).
 - (iii) The determination of mass fraction of organic HAP for each thinner and/or other additive, and cleaning material identified in paragraph (a)(5)(i) of this section. The permittee does not need to submit background data supporting this calculation (*e.g.*, information provided by material suppliers or manufacturers, or test reports).
 - (iv) A statement of the cause of each deviation.

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS (CONTINUED)

NOTIFICATIONS, REPORTS AND RECORDS (CONTINUED)

(6) *Deviations: Emission rate without add-on controls option.* If the permittee used the emission rate without add-on controls option and there was a deviation from the applicable emission limit in § 63.3890, the semiannual compliance report must contain the information in paragraphs (a)(6)(i) through (iii) of this section.

(i) The beginning and ending dates of each compliance period during which the 12-month organic HAP emission rate exceeded the applicable emission limit in § 63.3890.

(ii) The calculations used to determine the 12-month organic HAP emission rate for the compliance period in which the deviation occurred. The permittee must submit the calculations for Equations 1, 1A through 1C, 2, and 3 of § 63.3951; and if applicable, the calculation used to determine mass of organic HAP in waste materials according to § 63.3951 (e) (4). The permittee does not need to submit background data supporting these calculations (e.g., information provided by materials suppliers or manufacturers, or test reports).

(iii) A statement of the cause of each deviation.

40 CFR 63.3930: The permittee must collect and keep records of the data and information specified in this section. Failure to collect and keep these records is a deviation from the applicable standard.

(a) A copy of each notification and report that the permittee submitted to comply with this subpart, and the documentation supporting each notification and report.

(b) A current copy of information provided by materials suppliers or manufacturers, such as manufacturer's formulation data, or test data used to determine the mass fraction of organic HAP and density for each coating, thinner and/or other additive, and cleaning material, and the volume fraction of coating solids for each coating. If the permittee conducted testing to determine mass fraction of organic HAP, density, or volume fraction of coating solids, the permittee must keep a copy of the complete test report. If the permittee uses information provided by the manufacturer or supplier of the material that was based on testing, the permittee must keep the summary sheet of results provided by the manufacturer or supplier. The permittee is not required to obtain the test report or other supporting documentation from the manufacturer or supplier.

(c) For each compliance period, the records specified in paragraphs (c) (1) through (3) of this section.

(1) A record of the coating operations on which the permittee used each compliance option and the time periods (beginning and ending dates and times) for each option the permittee used.

(2) For the compliant material option, a record of the calculation of the organic HAP content for each coating, using Equation 2 of § 63.3941.

(3) For the emission rate without add-on controls option, a record of the calculation of the total mass of organic HAP emissions for the coatings, thinners and/or additives, and cleaning materials used each month using Equations 1, 1A through 1C, and 2 of § 63.3951; and, if applicable, the calculation used to determine mass of organic HAP in waste materials according to § 63.3951 (e)(4); the calculation of the total volume of coating solids used each month using Equation 2 of § 63.3951; and the calculation of each 12-month organic HAP emission rate using Equation 3 of § 63.3951.

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS (CONTINUED)**NOTIFICATIONS, REPORTS AND RECORDS (CONTINUED)**

- (d) A record of the name and volume of each coating, thinner and/or other additive, and cleaning material used during each compliance period. If the permittee is using the compliant material option for all coatings at the source, the permittee may maintain purchase records for each material used rather than a record of the volume used.
- (e) A record of the mass fraction of organic HAP for each coating, thinner and/or other additive, and cleaning material used during each compliance period unless the material is tracked by weight.
- (f) A record of the volume fraction of coating solids for each coating used during each compliance period.
- (g) If the permittee uses either the emission rate without add-on controls or the emission rate with add-on controls compliance option, the density for each coating, thinner and/or other additive, and cleaning material used during each compliance period.
- (h) If the permittee uses an allowance in Equation 1 of § 63.3951 for organic HAP contained in waste materials sent to or designated for shipment to a treatment, storage, and disposal facility (TSDF) according to § 63.3951 (e)(4), the permittee must keep records of the information specified in paragraphs (h)(1) through (3) of this section.
- (1) The name and address of each TSDF to which the permittee sent waste material for which an allowance is used in Equation 1 of § 63.3951; a statement of which subparts under 40 CFR parts 262, 264, 265, and 266 that apply to the facility; and the date of each shipment.
- (2) Identification of the coating operations producing waste materials included in each shipment and the month or months in which the permittee used the allowance for these materials in Equation 1 of § 63.3951.
- (3) The methodology used in accordance with § 63.3951 (e) (4) to determine the total amount of waste materials sent to or the amount collected, stored, and designated for transport to a TSDF each month; and the methodology to determine the mass of organic HAP contained in these waste materials. This must include the sources for all data used in the determination, methods used to generate the data, frequency of testing or monitoring, and supporting calculations and documentation, including the waste manifest for each shipment.
- (i) [Reserved]
- (j) The permittee must keep records of the date, time, and duration of each deviation.

40 CFR 63.3931:

- (a) The permittee's records must be in a form suitable and readily available for expeditious review, according to § 63.10 (b) (1). Where appropriate, the records may be maintained as electronic spreadsheets or as a database.
- (b) As specified in § 63.10 (b) (1), the permittee must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.
- (c) The permittee must keep each record on-site for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record according to § 63.10 (b) (1). The permittee may keep the records off-site for the remaining 3 years.

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS (CONTINUED)

COMPLIANCE REQUIREMENTS FOR THE COMPLIANT MATERIAL OPTION

40 CFR 63.3940: The permittee must complete the initial compliance demonstration for the initial compliance period according to the requirements in § 63.3941. The initial compliance period begins on January 2, 2007 and ends on February 29, 2008. The initial compliance demonstration includes the calculations according to § 63.3941 and supporting documentation showing that during the initial compliance period, the permittee used no coating with an organic HAP content that exceeded the applicable emission limit in § 63.3890, and that the permittee used no thinners and/or other additives, or cleaning materials that contained organic HAP as determined according to § 63.3941(a).

40 CFR 63.3941: The permittee may use the compliant material option for any individual coating operation, for any group of coating operations in the affected source, or for all the coating operations in the affected source. The permittee must use either the emission rate without add-on controls option or the emission rate with add-on controls option for any coating operation in the affected source for which the permittee does not use the compliant material option. To demonstrate initial compliance using the compliant material option, the coating operation or group of coating operations must use no coating with an organic HAP content that exceeds the applicable emission limits in § 63.3890 and must use no thinner and/or other additive, or cleaning material that contains organic HAP as determined according to this section. Any coating operation for which the permittee uses the compliant material option is not required to meet the operating limits or work practice standards required in §§ 63.3892 and 63.3893, respectively. The permittee must meet all the requirements of this section. The permittee shall use the procedures in this section on each coating, thinner and/or other additive, and cleaning material in the condition it is when it is received from its manufacturer or supplier and prior to any alteration. It is not necessary to redetermine the organic HAP content of coatings, thinners and/or additives, and cleaning materials that are reclaimed on-site (or reclaimed off-site if the permittee has documentation showing that the materials received back were the exact same materials sent off-site) and reused in the coating operation using the compliant material option, provided these materials in their condition as received were demonstrated to comply with the compliant material option.

- (a) The permittee must determine the mass fraction of organic HAP for each coating, thinner and/or other additive, and cleaning material used during the compliance period by using one of the options in paragraphs (a) (1) through (5) of this section.
 - (1) *Method 311 (appendix A to 40 CFR part 63)*. The permittee may use Method 311 for determining the mass fraction of organic HAP. The permittee shall use the procedures specified in paragraphs (a)(1)(i) and (ii) of this section when performing a Method 311 test.
 - (i) Count each organic HAP that is measured to be present at 0.1 percent by mass or more for Occupational Safety and Health Administration (OSHA)-defined carcinogens as specified in 29 CFR 1910.1200 (d)(4) and at 1.0 percent by mass or more for other compounds. For example, if toluene (not an OSHA carcinogen) is measured to be 0.5 percent of the material by mass, it does not have to be counted. Express the mass fraction of each organic HAP counted as a value truncated to four places after the decimal point (*e.g.*, 0.3791).
 - (ii) Calculate the total mass fraction of organic HAP in the test material by adding up the individual organic HAP mass fractions and truncating the result to three places after the decimal point (*e.g.*, 0.763).

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS (CONTINUED)

COMPLIANCE REQUIREMENTS FOR THE COMPLIANT MATERIAL OPTION (CONTINUED)

- (2) *Method 24 (appendix A to 40 CFR part 60).* The permittee may use Method 24 to determine the mass fraction of nonaqueous volatile matter in coatings and use that value as a substitute for mass fraction of organic HAP. For reactive adhesives in which some of the HAP react to form solids and are not emitted to the atmosphere, the permittee may use the alternative method contained in appendix A to subpart PPPP of this part, rather than Method 24. The permittee may use the volatile fraction that is emitted, as measured by the alternative method in appendix A to subpart PPPP of this part, as a substitute for the mass fraction of organic HAP.
- (3) *Alternative method.* The permittee may use an alternative test method for determining the mass fraction of organic HAP once the Division has approved it. The permittee must follow the procedures in § 63.7 (f) to submit an alternative test method for approval.
- (4) *Information from the supplier or manufacturer of the material.* The permittee may rely on information other than that generated by the test methods specified in paragraphs (a) (1) through (3) of this section, such as manufacturer's formulation data, if it represents each organic HAP that is present at 0.1 percent by mass or more for OSHA-defined carcinogens as specified in 29 CFR 1910.1200 (d) (4) and at 1.0 percent by mass or more for other compounds. For example, if toluene (not an OSHA carcinogen) is 0.5 percent of the material by mass, it is not necessary to count it. For reactive adhesives in which some of the HAP react to form solids and are not emitted to the atmosphere, the permittee may rely on manufacturer's data that expressly states the organic HAP or volatile matter mass fraction emitted. If there is a disagreement between such information and results of a test conducted according to paragraphs (a)(1) through (3) of this section, then the test method results will take precedence unless, after consultation, the permittee demonstrates to the satisfaction of the Cabinet that the formulation data are correct.
- (5) *Solvent blends.* Solvent blends may be listed as single components for some materials in data provided by manufacturers or suppliers. Solvent blends may contain organic HAP which must be counted toward the total organic HAP mass fraction of the materials. When test data and manufacturer's data for solvent blends are not available, the permittee may use the default values for the mass fraction of organic HAP in these solvent blends listed in Table 3 or 4 to this subpart. If the permittee uses the tables, then the values in Table 3 must be used for all solvent blends that match Table 3 entries according to the instructions for Table 3, and Table 4 may be used only if the solvent blends in the materials the permittee uses do not match any of the solvent blends in Table 3 and the permittee knows only whether the blend is aliphatic or aromatic. However, if the results of a Method 311 (appendix A to 40 CFR part 63) test indicate higher values than those listed on Table 3 or 4 to this subpart, the Method 311 results will take precedence unless, after consultation, the permittee demonstrates to the satisfaction of the Cabinet that the formulation data are correct.
- (b) *Determine the volume fraction of coating solids for each coating.* The permittee must determine the volume fraction of coating solids liters (gal) of coating solids per liter (gal) of coating) for each coating used during the compliance period by a test, by information provided by the supplier or the manufacturer of the material, or by calculation, as specified in paragraphs (b) (1) through (4) of this section. If test results obtained according to paragraph (b) (1) of this section do not agree with the information obtained under paragraph (b) (3) or (4) of this section, the test results will take precedence unless, after consultation, the permittee demonstrates to the satisfaction of the Cabinet that the formulation data are correct.

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS (CONTINUED)

COMPLIANCE REQUIREMENTS FOR THE COMPLIANT MATERIAL OPTION (CONTINUED)

- (1) *ASTM Method D2697-86 (Reapproved 1998) or ASTM Method D6093-97 (Reapproved 2003)*. The permittee may use ASTM Method D2697-86 (Reapproved 1998), “Standard Test Method for Volume Nonvolatile Matter in Clear or Pigmented Coatings” (incorporated by reference, see § 63.14), or ASTM Method D6093-97 (Reapproved 2003), “Standard Test Method for Percent Volume Nonvolatile Matter in Clear or Pigmented Coatings Using a Helium Gas Pycnometer” (incorporated by reference, see § 63.14), to determine the volume fraction of coating solids for each coating. Divide the nonvolatile volume percent obtained with the methods by 100 to calculate volume fraction of coating solids.
- (2) *Alternative method*. The permittee may use an alternative test method for determining the solids content of each coating once the Division has approved it. The permittee must follow the procedures in § 63.7 (f) to submit an alternative test method for approval.
- (3) *Information from the supplier or manufacturer of the material*. The permittee may obtain the volume fraction of coating solids for each coating from the supplier or manufacturer.
- (4) *Calculation of volume fraction of coating solids*. The permittee may determine the volume fraction of coating solids using Equation 1 of this section:

$$V_s = 1 - \frac{m_{\text{volatiles}}}{D_{\text{avg}}} \quad (\text{Eq. 1})$$

Where:

V_s = Volume fraction of coating solids, liters (gal) coating solids per liter (gal) coating.

$m_{\text{volatiles}}$ = Total volatile matter content of the coating, including HAP, volatile organic compounds (VOC), water, and exempt compounds, determined according to Method 24 in appendix A of 40 CFR 60, grams volatile matter per liter coating.

D_{avg} = Average density of volatile matter in the coating, grams volatile matter per liter volatile matter, determined from test results using ASTM Method D1475-98, “Standard Test Method for Density of Liquid Coatings, Inks, and Related Products” (incorporated by reference, see § 63.14), information from the supplier or manufacturer of the material, or reference sources providing density or specific gravity data for pure materials. If there is disagreement between ASTM Method D1475-98 test results and other information sources, the test results will take precedence unless, after consultation the permittee demonstrates to the satisfaction of the Cabinet that the formulation data are correct.

- (c) *Determine the density of each coating*. Determine the density of each coating used during the compliance period from test results using ASTM Method D1475-98, “Standard Test Method for Density of Liquid Coatings, Inks, and Related Products” (incorporated by reference, see § 63.14), information from the supplier or manufacturer of the material, or specific gravity data for pure chemicals. If there is disagreement between ASTM Method D1475-98 test results and supplier’s or manufacturer’s information, the test results will take precedence unless, after consultation the permittee demonstrates to the satisfaction of the Cabinet that the formulation data are correct.

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS (CONTINUED)**COMPLIANCE REQUIREMENTS FOR THE COMPLIANT MATERIAL OPTION (CONTINUED)**

- (d) *Determine the organic HAP content of each coating.* Calculate the organic HAP content, kg (lb) or organic HAP emitted per liter (gal) coating solids used, of each coating used during the compliance period using Equation 2 of this section:

$$H_C = \frac{(D_C)(W_C)}{V_S} \text{ (Eq. 2)}$$

Where:

H_C = Organic HAP content of the coating, kg organic HAP emitted per liter (gal) coating solids used.

D_C = Density of coating, kg coating per liter (gal) coating, determined according to paragraph (c) of this section.

W_C = Mass fraction of organic HAP in the coating, kg organic HAP per kg coating, determined according to paragraph (a) of this section.

V_S = Volume fraction of coating solids, liter (gal) coating solids per liter (gal) coating, determined according to paragraph (b) of this section.

- (e) *Compliance demonstration.* The calculated organic HAP content for each coating used during the initial compliance period must be less than or equal to the applicable emission limit in § 63.3890; and each thinner and/or other additive, and cleaning material used during the initial compliance period must contain no organic HAP, determined according to paragraph (a) of this section. The permittee must keep all records required by §§63.3930 and 63.3931. As part of the notification of compliance status required in § 63.3910, the permittee must identify the coating operation(s) for which the compliant material option was used and submit a statement that the coating operation(s) was (were) in compliance with the emission limitations during the initial compliance period because the permittee used no coatings for which the organic HAP content exceeded the applicable emission limit in § 63.3890, and the permittee used no thinners and/or other additives, or cleaning materials that contained organic HAP, determined according to the procedures in paragraph (a) of this section.

40 CFR 63.3942: Demonstrating Continuous Compliance with the Emission Limitations.

- (a) For each compliance period to demonstrate continuous compliance, the permittee must use no coating for which the organic HAP content (determined using Equation 2 of § 63.3941) exceeds the applicable emission limit in § 63.3890, and no thinner and/or other additive, or cleaning material that contains organic HAP, determined according to § 63.3941(a). A compliance period consists of 12 months. Each month, after the end of the initial compliance period described in § 63.3940, is the end of a compliance period consisting of that month and the preceding 11 months.
- (b) If the permittee chooses to comply with the emission limitations by using the compliant material option, the use of any coating, thinner and/or other additive, or cleaning material that does not meet the criteria specified in paragraph (a) of this section is a deviation from the emission limitations that must be reported as specified in §§63.3910 (c) (6) and 63.3920 (a) (5).

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS (CONTINUED)

COMPLIANCE REQUIREMENTS FOR THE COMPLIANT MATERIAL OPTION (CONTINUED)

- (c) As part of each semiannual compliance report required by § 63.3920, the permittee must identify the coating operation(s) for which the compliant material option was used. If there were no deviations from the applicable emission limit in § 63.3890, submit a statement that the coating operation(s) was (were) in compliance with the emission limitations during the reporting period because the permittee used no coatings for which the organic HAP content exceeded the applicable emission limit in § 63.3890, and the permittee used no thinner and/or other additive, or cleaning material that contained organic HAP, determined according to § 63.3941 (a).
- (d) The permittee must maintain records as specified in §§63.3930 and 63.3931.

COMPLIANCE REQUIREMENTS FOR THE EMISSION RATE WITHOUT ADD-ON CONTROLS OPTION

40 CFR 63.3950: The permittee must complete the initial compliance demonstration for the initial compliance period according to the requirements of § 63.3951. The initial compliance period begins on January 2, 2007 and ends on February 29, 2008. The permittee must determine the mass of organic HAP emissions and volume of coating solids used each month and then calculate an organic HAP emission rate at the end of the initial compliance period. The initial compliance demonstration includes the calculations according to § 63.3951 and supporting documentation showing that during the initial compliance period the organic HAP emission rate was equal to or less than the applicable emission limit in § 63.3890.

40 CFR 63.3951: The permittee may use the emission rate without add-on controls option for any individual coating operation, for any group of coating operations in the affected source, or for all the coating operations in the affected source. The permittee must use either the compliant material option or the emission rate with add-on controls option for any coating operation in the affected source for which this option is not used. To demonstrate initial compliance using the emission rate without add-on controls option, the coating operation or group of coating operations must meet the applicable emission limit in § 63.3890, but is not required to meet the operating limits or work practice standards in §§ 63.3892 and 63.3893, respectively. The permittee must meet all the requirements of this section. When calculating the organic HAP emission rate according to this section, do not include any coatings, thinners and/or other additives, or cleaning materials used on coating operations for which the compliant material option or the emission rate with add-on controls option are used. It is not necessary to redetermine the mass of organic HAP in coatings, thinners and/or other additives, or cleaning materials that have been reclaimed onsite (or reclaimed offsite if the permittee has documentation showing that the materials sent off-site are the exact same materials received back) and reused in the coating operation for which the permittee uses the emission rate without add-on controls option. If the permittee uses coatings, thinners and/or other additives, or cleaning materials that have been reclaimed on-site, the amount of each used in a month may be reduced by the amount of each that is reclaimed. That is, the amount used may be calculated as the amount consumed to account for materials that are reclaimed.

- (a) *Determine the mass fraction of organic HAP for each material.* Determine the mass fraction of organic HAP for each coating, thinner and/or other additive, and cleaning material used during each month according to the requirements in § 63.3941(a).
- (b) *Determine the volume fraction of coating solids.* Determine the volume fraction of coating solids liter (gal) of coating solids per liter (gal) of coating for each coating used during each month according to the requirements in § 63.3941 (b).

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS (CONTINUED)**COMPLIANCE REQUIREMENTS FOR THE EMISSION RATE WITHOUT ADD-ON CONTROLS OPTION (CONTINUED)**

- (c) *Determine the density of each material.* Determine the density of each liquid coating, thinner and/or other additive, and cleaning material used during each month from test results using ASTM Method D1475-98, "Standard Test Method for Density of Liquid Coatings, Inks, and Related Products" (incorporated by reference, see § 63.14), information from the supplier or manufacturer of the material, or reference sources providing density or specific gravity data for pure materials. If the permittee is including powder coatings in the compliance determination, determine the density of powder coatings, using ASTM Method D5965-02, "Standard Test Methods for Specific Gravity of Coating Powders" (incorporated by reference, see § 63.14), or information from the supplier. If there is a disagreement between ASTM Method D1475-98 or ASTM Method D5965-02 test results and other such information sources, the test results will take precedence unless, after consultation the permittee demonstrates to the satisfaction of the Cabinet that the formulation data are correct. If the permittee purchases materials or monitors consumption by weight instead of volume, it is not necessary for the permittee to determine material density. Instead the material weight may be used in place of the combined terms for density and volume in Equations 1A, 1B, 1C, and 2 of this section.
- (d) *Determine the volume of each material used.* Determine the volume (liters) of each coating, thinner and/or other additive, and cleaning material used during each month by measurement or usage records. If the permittee purchases materials or monitors consumption by weight instead of volume, the permittee does not need to determine the volume of each material used. Instead, the material weight may be used in place of the combined terms for density and volume in Equations 1A, 1B and 1C of this section.
- (e) *Calculate the mass of organic HAP emissions.* The mass of organic HAP emissions is the combined mass of organic HAP contained in all coatings, thinners and/or other additives, and cleaning materials used during each month minus the organic HAP in certain waste materials. Calculate the mass of organic HAP emissions using Equation 1 of this section.

$$H_e = A + B + C - R_w \text{ (Eq. 1)}$$

Where:

H_e = Total mass of organic HAP emissions during the month, kg.

A = Total mass of organic HAP in the coatings used during the month, kg, as calculated in Equation 1A of this section.

B = Total mass of organic HAP in the thinners and/or other additives used during the month, kg, as calculated in Equation 1B of this section.

C = Total mass of organic HAP in the cleaning materials used during the month, kg, as calculated in Equation 1C of this section.

R_w = Total mass of organic HAP in waste materials sent or designated for shipment to a hazardous waste TSDF for treatment or disposal during the month, kg, determined according to paragraph (e) (4) of this section. (A value of zero may be assigned to R_w if the permittee does not wish to use this allowance.)

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS (CONTINUED)

COMPLIANCE REQUIREMENTS FOR THE EMISSION RATE WITHOUT ADD-ON CONTROLS OPTION (CONTINUED)

- (1) Calculate the kg organic HAP in the coatings used during the month using Equation 1A of this section:

$$A = \sum_{i=1}^m (Vol_{c,i}) (D_{c,i}) (W_{c,i}) \quad (\text{Eq. 1A})$$

Where:

A = Total mass of organic HAP in the coatings used during the month, kg.

Vol_{c,i} = Total volume of coating, i, used during the month, liters.

D_{c,i} = Density of coating, i, kg coating per liter coating.

W_{c,i} = Mass fraction of organic HAP in coating, i, kg organic HAP per kg coating. For reactive adhesives as defined in § 63.3981, use the mass fraction of organic HAP that is emitted as determined using the method in appendix A to subpart PPPP of this part.

m = Number of different coatings used during the month.

- (2) Calculate the kg of organic HAP in the thinners and/or other additives used during the month using Equation 1B of this section:

$$B = \sum_{j=1}^n (Vol_{t,j}) (D_{t,j}) (W_{t,j}) \quad (\text{Eq. 1B})$$

Where:

B = Total mass of organic HAP in the thinners and/or other additives used during the month, kg.

Vol_{t,j} = Total volume of thinner and/or other additive, j, used during the month, liters.

D_{t,j} = Density of thinner and/or other additive, j, kg per liter.

W_{t,j} = Mass fraction of organic HAP in thinner and/or other additive, j, kg organic HAP per kg thinner and/or other additive. For reactive adhesives as defined in §63.3981, use the mass fraction of organic HAP that is emitted as determined using the method in appendix A to subpart PPPP of this part.

n = Number of different thinners and/or other additives used during the month.

- (3) Calculate the kg organic HAP in the cleaning materials used during the month using Equation 1C of this section:

$$C = \sum_{k=1}^p (Vol_{s,k}) (D_{s,k}) (W_{s,k}) \quad (\text{Eq. 1C})$$

Where:

C = Total mass of organic HAP in the cleaning materials used during the month, kg.

Vol_{s,k} = Total volume of cleaning material, k, used during the month, liters.

D_{s,k} = Density of cleaning material, k, kg per liter.

W_{s,k} = Mass fraction of organic HAP in cleaning material, k, kg organic HAP per kg material.

p = Number of different cleaning materials used during the month.

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS (CONTINUED)

COMPLIANCE REQUIREMENTS FOR THE EMISSION RATE WITHOUT ADD-ON CONTROLS OPTION (CONTINUED)

- (4) If the permittee chooses to account for the mass of organic HAP contained in waste materials sent or designated for shipment to a hazardous waste TSDF in Equation 1 of this section, then the permittee must determine the mass according to paragraphs (e) (4) (i) through (iv) of this section.
 - (i) The permittee may only include waste materials in the determination that are generated by coating operations in the affected source for which Equation 1 of this section is used and that will be treated or disposed of by a TSDF under 40 CFR part 262, 264, 265, or 266. The TSDF may be either off-site or on-site. The permittee may not include organic HAP contained in wastewater.
 - (ii) The permittee must determine either the amount of the waste materials sent to a TSDF during the month or the amount collected and stored during the month and designated for future transport to a TSDF. The permittee is not to include in the determination any waste materials sent to a TSDF during a month if the materials have already been included in the amount collected and stored during that month or a previous month.
 - (iii) Determine the total mass of organic HAP contained in the waste materials specified in paragraph (e) (4) (ii) of this section.
 - (iv) The permittee must document the methodology used to determine the amount of waste materials and the total mass of organic HAP they contain, as required in § 63.3930 (h). If waste manifests include this information, they may be used as part of the documentation of the amount of waste materials and mass of organic HAP contained in them.
- (f) *Calculate the total volume of coating solids used.* Determine the total volume of coating solids used, liters, which is the combined volume of coating solids for all the coatings used during each month, using Equation 2 of this section:

$$V_{st} = \sum_{i=1}^m (Vol_{c,i}) (V_{s,i}) \quad (\text{Eq. 2})$$

Where:

V_{st} = Total volume of coating solids used during the month, liters.

$Vol_{c,i}$ = Total volume of coating, i, used during the month, liters.

$V_{s,i}$ = Volume fraction of coating solids for coating, i, liter solids per liter coating, determined according to § 63.3941(b).

m = Number of coatings used during the month.

- (g) *Calculate the organic HAP emission rate.* Calculate the organic HAP emission rate for the compliance period, kg (lb) organic HAP emitted per liter (gal) coating solids used, using Equation 3 of this section:

$$H_{yr} = \frac{\sum_{y=1}^n H_e}{\sum_{y=1}^n V_{st}} \quad (\text{Eq. 3})$$

Where:

H_{yr} = Average organic HAP emission rate for the compliance period, kg organic HAP emitted per liter coating solids used.

H_e = Total mass of organic HAP emissions from all materials used during month, y, kg, as calculated by Equation 1 of this section.

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS (CONTINUED)**COMPLIANCE REQUIREMENTS FOR THE EMISSION RATE WITHOUT ADD-ON CONTROLS OPTION (CONTINUED)**

- V_{st} = Total volume of coating solids used during month, y, liters, as calculated by Equation 2 of this section.
- y = Identifier for months.
- n = Number of full or partial months in the compliance period (for the initial compliance period, n equals 12 if the compliance date falls on the first day of a month; otherwise n equals 13; for all following compliance periods, n equals 12).
- (h) *Compliance demonstration.* The organic HAP emission rate for the initial compliance period calculated using Equation 3 of this section must be less than or equal to the applicable emission limit for each subcategory in § 63.3890. The permittee must keep all records as required by §§ 63.3930 and 63.3931. As part of the notification of compliance status required by § 63.3910, the permittee must identify the coating operation(s) that used the emission rate without add-on controls option and submit a statement that the coating operation(s) was (were) in compliance with the emission limitations during the initial compliance period because the organic HAP emission rate was less than or equal to the applicable emission limit in § 63.3890, determined according to the procedures in this section.

40 CFR 63.3952: Demonstrating Continuous Compliance with the Emission Limitations.

- (a) To demonstrate continuous compliance, the organic HAP emission rate for each compliance period, determined according to § 63.3951(a) through (g), must be less than or equal to the applicable emission limit in § 63.3890. A compliance period consists of 12 months. Each month after the end of the initial compliance period described in § 63.3950 is the end of a compliance period consisting of that month and the preceding 11 months. The permittee must perform the calculations in § 63.3951 (a) through (g) on a monthly basis using data from the previous 12 months of operation.
- (b) If the organic HAP emission rate for any 12-month compliance period exceeded the applicable emission limit in § 63.3890, this is a deviation from the emission limitation for that compliance period and must be reported as specified in §§ 63.3910 (c) (6) and 63.3920 (a) (6).
- (c) As part of each semiannual compliance report required by § 63.3920, the permittee must identify the coating operation(s) that used the emission rate without add-on controls option. If there were no deviations from the emission limitations, the permittee must submit a statement that the coating operation(s) was (were) in compliance with the emission limitations during the reporting period because the organic HAP emission rate for each compliance period was less than or equal to the applicable emission limit in § 63.3890, determined according to § 63.3951(a) through (g).
- (d) The permittee must maintain records as specified in §§ 63.3930 and 63.3931.

SECTION E - SOURCE CONTROL EQUIPMENT REQUIREMENTS

Pursuant to 401 KAR 50:055, Section 2(5), at all times, including periods of startup, shutdown and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Division which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

SECTION F - MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS

1. Pursuant to Section 1b (IV)1 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26, when continuing compliance is demonstrated by periodic testing or instrumental monitoring, the permittee shall compile records of required monitoring information that include:
 - a. Date, place as defined in this permit, and time of sampling or measurements;
 - b. Analyses performance dates;
 - c. Company or entity that performed analyses;
 - d. Analytical techniques or methods used;
 - e. Analyses results; and
 - f. Operating conditions during time of sampling or measurement.
2. Records of all required monitoring data and support information, including calibrations, maintenance records, and original strip chart recordings, and copies of all reports required by the Division for Air Quality, shall be retained by the permittee for a period of five years and shall be made available for inspection upon request by any duly authorized representative of the Division for Air Quality [Sections 1b(IV) 2 and 1a(8) of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
3. In accordance with the requirements of 401 KAR 52:020 Section 3(1)h the permittee shall allow authorized representatives of the Cabinet to perform the following during reasonable times:
 - a. Enter upon the premises to inspect any facility, equipment (including air pollution control equipment), practice, or operation;
 - b. To access and copy any records required by the permit;
 - c. Sample or monitor, at reasonable times, substances or parameters to assure compliance with the permit or any applicable requirements.Reasonable times are defined as during all hours of operation, during normal office hours; or during an emergency.
4. No person shall obstruct, hamper, or interfere with any Cabinet employee or authorized representative while in the process of carrying out official duties. Refusal of entry or access may constitute grounds for permit revocation and assessment of civil penalties.
5. Summary reports of any monitoring required by this permit shall be submitted to the Regional Office listed on the front of this permit at least every six (6) months during the life of this permit, unless otherwise stated in this permit. For emission units that were still under construction or which had not commenced operation at the end of the 6-month period covered by the report and are subject to monitoring requirements in this permit, the report shall indicate that no monitoring was performed during the previous six months because the emission unit was not in operation [Section 1b (V) 1 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

SECTION F - MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS (CONTINUED)

6. The semi-annual reports are due by January 30th and July 30th of each year. All reports shall be certified by a responsible official pursuant to 401 KAR 52:020 Section 23. If continuous emission and opacity monitors are required by regulation or this permit, data shall be reported in accordance with the requirements of 401 KAR 59:005, General Provisions, Section 3(3). All deviations from permit requirements shall be clearly identified in the reports.
7. In accordance with the provisions of 401 KAR 50:055, Section 1 the owner or operator shall notify the Regional Office listed on the front of this permit concerning startups, shutdowns, or malfunctions as follows:
 - a. When emissions during any planned shutdowns and ensuing startups will exceed the standards, notification shall be made no later than three (3) days before the planned shutdown, or immediately following the decision to shut down, if the shutdown is due to events which could not have been foreseen three (3) days before the shutdown.
 - b. When emissions due to malfunctions, unplanned shutdowns and ensuing startups are or may be in excess of the standards, notification shall be made as promptly as possible by telephone (or other electronic media) and shall be submitted in writing upon request.
8. The owner or operator shall report emission related exceedances from permit requirements including those attributed to upset conditions (other than emission exceedances covered by Section F.7. above) to the Regional Office listed on the front of this permit within *30 days*. Deviations from permit requirements, including those previously reported under F.7 above, shall be included in the semiannual report required by F.6 [Section 1b (V) 3, 4. of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
9. Pursuant to 401 KAR 52:020, Permits, Section 21, the permittee shall annually certify compliance with the terms and conditions contained in this permit, by completing and returning a Compliance Certification Form (DEP 7007CC) (or an alternative approved by the regional office) to the Regional Office listed on the front of this permit and the U.S. EPA in accordance with the following requirements:
 - a. Identification of the term or condition;
 - b. Compliance status of each term or condition of the permit;
 - c. Whether compliance was continuous or intermittent;
 - d. The method used for determining the compliance status for the source, currently and over the reporting period.
 - e. For an emissions unit that was still under construction or which has not commenced operation at the end of the 12-month period covered by the annual compliance certification, the permittee shall indicate that the unit is under construction and that compliance with any applicable requirements will be demonstrated within the timeframes specified in the permit.

SECTION F - MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS (CONTINUED)

- f. The certification shall be postmarked by January 30th of each year. Annual compliance certifications shall be mailed to the following addresses:

Division for Air Quality
Owensboro Regional Office
3032 Alvey Park Dr. W. STE 700
Owensboro, KY 42303

U.S. EPA Region 4
Air Enforcement Branch
Atlanta Federal Center
61 Forsyth St.
Atlanta, GA 30303-8960

Division for Air Quality
Central Files
803 Schenkel Lane
Frankfort, KY 40601

10. In accordance with 401 KAR 52:020, Section 22, the permittee shall provide the Division with all information necessary to determine its subject emissions within thirty (30) days of the date the KYEIS emission survey is mailed to the permittee.
11. Results of performance test(s) required by the permit shall be submitted to the Division by the source or its representative within forty-five days or sooner if required by an applicable standard, after the completion of the fieldwork.

SECTION G - GENERAL PROVISIONS(a) General Compliance Requirements

1. The permittee shall comply with all conditions of this permit. Noncompliance shall be a violation of 401 KAR 52:020 and of the Clean Air Act and is grounds for enforcement action including but not limited to termination, revocation and reissuance, revision or denial of a permit [Section 1a, 3 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020 Section 26].
2. The filing of a request by the permittee for any permit revision, revocation, reissuance, or termination, or of a notification of a planned change or anticipated noncompliance, shall not stay any permit condition [Section 1a, 6 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
3. This permit may be revised, revoked, reopened and reissued, or terminated for cause in accordance with 401 KAR 52:020, Section 19. The permit will be reopened for cause and revised accordingly under the following circumstances:
 - a. If additional applicable requirements become applicable to the source and the remaining permit term is three (3) years or longer. In this case, the reopening shall be completed no later than eighteen (18) months after promulgation of the applicable requirement. A reopening shall not be required if compliance with the applicable requirement is not required until after the date on which the permit is due to expire, unless this permit or any of its terms and conditions have been extended pursuant to 401 KAR 52:020, Section 12;
 - b. The Cabinet or the U. S. EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements;
 - c. The Cabinet or the U. S. EPA determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit;

Proceedings to reopen and reissue a permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of the permit for which cause to reopen exists. Reopenings shall be made as expeditiously as practicable. Reopenings shall not be initiated before a notice of intent to reopen is provided to the source by the Division, at least thirty (30) days in advance of the date the permit is to be reopened, except that the Division may provide a shorter time period in the case of an emergency.

4. The permittee shall furnish information upon request of the Cabinet to determine if cause exists for modifying, revoking and reissuing, or terminating the permit; or to determine compliance with the conditions of this permit [Section 1a, 7,8 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
5. The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such facts or corrected information to the permitting authority [401 KAR 52:020, Section 7(1)].

SECTION G - GENERAL PROVISIONS (CONTINUED)

6. Any condition or portion of this permit which becomes suspended or is ruled invalid as a result of any legal or other action shall not invalidate any other portion or condition of this permit [Section 1a, 14 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
7. The permittee shall not use as a defense in an enforcement action the contention that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance [Section 1a, 4 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
8. Except for requirements identified in this permit as state-origin requirements, all terms and conditions shall be enforceable by the United States Environmental Protection Agency and citizens.[Section 1a, 15 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
9. This permit shall be subject to suspension if the permittee fails to pay all emissions fees within 90 days after the date of notice as specified in 401 KAR 50:038, Section 3(6) [Section 1a, 10 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
10. Nothing in this permit shall alter or affect the liability of the permittee for any violation of applicable requirements prior to or at the time of permit issuance [401 KAR 52:020, Section 11(3)(b)].
11. This permit does not convey property rights or exclusive privileges [Section 1a, 9 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
12. Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by the Kentucky Cabinet for Environmental and Public Protection or any other federal, state, or local agency.
13. Nothing in this permit shall alter or affect the authority of U.S. EPA to obtain information pursuant to Federal Statute 42 USC 7414, Inspections, monitoring, and entry [401 KAR 52:020, Section 11(3)(d)].
14. Nothing in this permit shall alter or affect the authority of U.S. EPA to impose emergency orders pursuant to Federal Statute 42 USC 7603, Emergency orders [401 KAR 52:020, Section 11(3)(a)].
15. This permit consolidates the authority of any previously issued PSD, NSR, or Synthetic Minor source preconstruction permit terms and conditions for various emission units and incorporates all requirements of those existing permits into one single permit for this source.

SECTION G - GENERAL PROVISIONS (CONTINUED)

16. Pursuant to 401 KAR 52:020, Section 11, a permit shield shall not protect the owner or operator from enforcement actions for violating an applicable requirement prior to or at the time of issuance. Compliance with the conditions of a permit shall be considered compliance with:
 - a. Applicable requirements that are included and specifically identified in the permit and
 - b. Non-applicable requirements expressly identified in this permit.
17. Pursuant to 401 KAR 50:045, Section 2, a source required to conduct a performance test shall submit a completed Compliance Test Protocol form, DEP form 6028, or a test protocol a source has developed for submission to other regulatory agencies, in a format approved by the cabinet, to the Division's Frankfort Central Office a minimum of sixty (60) days prior to the scheduled test date. Pursuant to 401 KAR 50:045, Section 7, the Division shall be notified of the actual test date at least Thirty (30) days prior to the test.

(b) Permit Expiration and Reapplication Requirements

1. This permit shall remain in effect for a fixed term of five (5) years following the original date of issue. Permit expiration shall terminate the source's right to operate unless a timely and complete renewal application has been submitted to the Division at least six months prior to the expiration date of the permit. Upon a timely and complete submittal, the authorization to operate within the terms and conditions of this permit, including any permit shield, shall remain in effect beyond the expiration date, until the renewal permit is issued or denied by the Division [401 KAR 52:020, Section 12].
2. The authority to operate granted shall cease to apply if the source fails to submit additional information requested by the Division after the completeness determination has been made on any application, by whatever deadline the Division sets [401 KAR 52:020 Section 8(2)].

(c) Permit Revisions

1. A minor permit revision procedure may be used for permit revisions involving the use of economic incentive, marketable permit, emission trading, and other similar approaches, to the extent that these minor permit revision procedures are explicitly provided for in the SIP or in applicable requirements and meet the relevant requirements of 401 KAR 52:020, Section 14(2).
2. This permit is not transferable by the permittee. Future owners and operators shall obtain a new permit from the Division for Air Quality. The new permit may be processed as an administrative amendment if no other change in this permit is necessary, and provided that a written agreement containing a specific date for transfer of permit responsibility coverage and liability between the current and new permittee has been submitted to the permitting authority within ten (10) days following the transfer.

SECTION G - GENERAL PROVISIONS (CONTINUED)**(d) Construction, Start-Up, and Initial Compliance Demonstration Requirements**

None

(e) Acid Rain Program Requirements

If an applicable requirement of Federal Statute 42 USC 7401 through 7671q (the Clean Air Act) is more stringent than an applicable requirement promulgated pursuant to Federal Statute 42 USC 7651 through 7651o (Title IV of the Act), both provisions shall apply, and both shall be state and federally enforceable.

(f) Emergency Provisions

1. Pursuant to 401 KAR 52:020 Section 24(1), an emergency shall constitute an affirmative defense to an action brought for the noncompliance with the technology-based emission limitations if the permittee demonstrates through properly signed contemporaneous operating logs or relevant evidence that:
 - a. An emergency occurred and the permittee can identify the cause of the emergency;
 - b. The permitted facility was at the time being properly operated;
 - c. During an emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements in the permit; and
 - d. Pursuant to 401 KAR 52:020, 401 KAR 50:055, and KRS 224.01-400, the permittee notified the Division as promptly as possible and submitted written notice of the emergency to the Division when emission limitations were exceeded due to an emergency. The notice shall include a description of the emergency, steps taken to mitigate emissions, and corrective actions taken.
 - e. This requirement does not relieve the source of other local, state or federal notification requirements.
2. Emergency conditions listed in General Condition (f)1 above are in addition to any emergency or upset provision(s) contained in an applicable requirement [401 KAR 52:020, Section 24(3)].
3. In an enforcement proceeding, the permittee seeking to establish the occurrence of an emergency shall have the burden of proof [401 KAR 52:020, Section 24(2)].

SECTION G - GENERAL PROVISIONS (CONTINUED)

(g) Risk Management Provisions

1. The permittee shall comply with all applicable requirements of 401 KAR Chapter 68, Chemical Accident Prevention, which incorporates by reference 40 CFR Part 68, Risk Management Plan provisions. If required, the permittee shall comply with the Risk Management Program and submit a Risk Management Plan to:

RMP Reporting Center
P.O. Box 1515
Lanham-Seabrook, MD 20703-1515.

2. If requested, submit additional relevant information to the Division or the U.S. EPA.

(h) Ozone depleting substances

1. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
 - a. Persons opening appliances for maintenance, service, repair, or disposal shall comply with the required practices contained in 40 CFR 82.156.
 - b. Equipment used during the maintenance, service, repair, or disposal of appliances shall comply with the standards for recycling and recovery equipment contained in 40 CFR 82.158.
 - c. Persons performing maintenance, service, repair, or disposal of appliances shall be certified by an approved technician certification program pursuant to 40 CFR 82.161.
 - d. Persons disposing of small appliances, MVACs, and MVAC-like appliances (as defined at 40 CFR 82.152) shall comply with the recordkeeping requirements pursuant to 40 CFR 82.166
 - e. Persons owning commercial or industrial process refrigeration equipment shall comply with the leak repair requirements pursuant to 40 CFR 82.156.
 - f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant shall keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166.
2. If the permittee performs service on motor (fleet) vehicle air conditioners containing ozone-depleting substances, the source shall comply with all applicable requirements as specified in 40 CFR 82, Subpart B, *Servicing of Motor Vehicle Air Conditioners*.

SECTION H - ALTERNATE OPERATING SCENARIOS

N/A

SECTION I - COMPLIANCE SCHEDULE

N/A